

PUBLIC HEALTH REPORTS

VOL. 49

JANUARY 26, 1934

NO. 4

OCCURRENCE OF TICK PARASITES IN NATURE IN SOUTHERN IDAHO¹

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Preliminary to releasing parasites (*Hunterellus hookeri* Howard) for the control of the Rocky Mountain wood tick (*Dermacentor andersoni* Stiles) we have been following the practice of making a survey of the region where it is intended to establish colonies. This has been done, primarily, to determine whether naturally established tick parasites are already present, the reared parasites not having been released until the year following that of the survey. Such surveys were made in four localities in 1931 and 1932 in Colorado, Idaho, and Oregon. Incidentally, these surveys have also supplied essential information on the tick fauna of the region, particularly with reference to the species present, their relative abundance, host relationships, and seasonal history. The numbers of tick lots collected in each of the several localities concerned were as follows: Conejos Canyon, Conejos County, Colo., 124 lots; Newton's ranch, Alamosa County, Colo., 73 lots; near Mayfield, Ada County, Idaho, 284 lots; near Burns, Harney County, Idaho, 262 lots.

Tick parasites were found in only one of the above areas. In animal parasite lot no. 8635 A, taken on a woodchuck trapped on June 28, 1932, near Mayfield, Idaho, by Carl Larson and Roger Cooley, there were 16 larvae, 20 nymphs, and 2 adults of *Ixodes hexagonus* var. *cookei* (Packard). Two of the fed nymphs showed parasitism; and from one, 8 adult parasites emerged. These were determined by A. B. Gahan and Dr. C. F. W. Muesebeck, of the United States National Museum, through Mr. F. C. Bishopp, of the United States Bureau of Entomology, as *Ixodiphagus texanus* Howard.

The finding of this particular parasite in southern Idaho is of considerable interest, since it has not previously been reported subsequent to its discovery in the rabbit tick, *Haemaphysalis leporis-palus-*

¹ Contribution from the Rocky Mountain Spotted Fever Laboratory of the United States Public Health Service at Hamilton, Mont.

tris Packard in 1907. It was described at that time by Howard, the parasitized ticks having been found on a cottontail rabbit in Jackson County, Tex.

All attempts at tick control in this country and all of the biological studies by the writer in controlled thermal cabinets, have been made with *H. hookeri*. This parasite has been reared from ticks many times in various parts of the world—in France, India, Indo-China, Union of South Africa, South West Africa, Nigeria, Brazil, Cuba, and in Florida, Texas, and California in the United States. These data include the records for *Ixodiphagus caucurtei* du Buysson, which Gahan has recently shown to be a synonym of *H. hookeri*.

The living strain of *I. texanus* taken from Idaho has been held alive, and several generations have been reared in the Public Health Service Laboratory at Hamilton, Mont. So far as we have observed in the rearing of the two parasites in the laboratory, there are no striking biological differences.

MILK-SANITATION RATINGS OF CITIES

Cities for Which Milk-Sanitation Ratings of 90 Percent or More Have Been Reported by the State Milk Sanitation Authorities during the Period January 1, 1932, to December 1, 1933

The accompanying table gives the names of American municipalities for which milk-sanitation ratings of 90 percent or more have been reported by their respective State milk sanitation authorities from January 1, 1932, to December 31, 1933. The primary reason for announcing such ratings from time to time is to encourage the municipalities of the United States to attain and maintain a high level of excellence of the public health control of milk supplies. Another reason is to furnish the traveling public with some means of knowing the cities in which milk sanitation is properly done. It is emphasized, however, that the Public Health Service does not intend to imply that cities not on the list are necessarily doing poor milk control work. Some cities which are doing excellent milk control work are not included because arrangements have not yet been made for the determination of their ratings by the State milk-control authority. In other cases the ratings which have been determined by the State are now more than 2 years old and have therefore lapsed.

The rules under which a municipality is included in this list and in subsequent similar lists are as follows:

(1) All ratings must have been determined in accordance with the Public Health Service rating method, based upon the edition of the Public Health Service Milk Ordinance and Code current at the time of the rating.

(2) No city will be included in the list unless both its pasteurized milk and its raw milk ratings are 90 percent or more; provided, that cities in which only raw milk is sold will be included if the raw milk ratings are 90 percent or more.

(3) The rating published will be the latest rating submitted to the Public Health Service, but no rating will be published which is more than 2 years old.

(4) Additional supplementary lists of ratings will be published monthly, and complete revisions of the entire list semiannually.

(5) Occasional surprise checks will be made of the rating methods used by the State, and discounts will be applied if State ratings are found to be more than 5 percent too high.

(6) Ratings will be accepted for any city irrespective of the type of milk ordinance in force, provided that the ratings have been made in accordance with paragraph (1) above.

Cities included in the list presented here are urgently advised to bring their milk sanitation status to the level required by the 1933 code, since this edition will be used for ratings made in 1934. It is also urged that cities now on the list do not permit their ratings to lapse, as ratings more than 2 years old cannot be used.

Cities which are not now on the list should improve their milk supplies as much as possible and then request the State milk control authority to determine their ratings. Where the Public Health Service Milk Ordinance has not as yet been adopted, thoughtful consideration should be given to the advisability of its adoption, for the reason that the standard rating method is based upon the Grade A requirements of the Public Health Service Milk Ordinance, and it is obviously easier to satisfy these requirements if they are included in the local legislation. Copies of the Public Health Service Milk Ordinance and Code are available upon request.

State milk-control authorities which are not now equipped to determine municipal milk sanitation ratings are urged to so equip themselves as soon as possible in fairness to their cities. The personnel required is very small, as in most States one milk specialist will be sufficient for the rating work. The Public Health Service will, upon request from the State milk control authority, furnish assistance in standardizing the rating work.

Cities which are enforcing the Public Health Service Milk Ordinance and which have nevertheless failed to achieve ratings of 90 percent or more, should determine whether their low ratings resulted from failure to enforce the ordinance strictly, or from failure to bring their ordinance up to date with the latest revision in force at the time of the rating.

The ratings included in the accompanying table apply only to market milk. Family cow milk is not included, and consumers should,

therefore, not infer that the milk from neighborhood cows in such cities is of a high grade.

The first column of the table gives the rating of the pasteurized milk, the second column the rating of the raw milk, the third column the percentage of milk pasteurized, and the fourth column the date of completion of the rating.

A pasteurized milk rating of 90 percent means that the pasteurized milk sold in the city in question is of such a degree of excellence that the weighted average of the percentages of compliance with the various items of sanitation required for grade A pasteurized milk is 90 percent. Similarly, a raw milk rating of 90 percent means that the raw milk sold in the city in question is of such a degree of excellence that the weighted average of the percentages of compliance with the various items of sanitation required for grade A raw milk is 90 percent.

Cities having ratings of 90 percent or more according to last rating received during period Jan. 1, 1932, to Dec. 31, 1933

| City | Pasteurized milk rating | Raw milk rating | Percentage of milk pasteurized | Date of rating |
|----------------------------|-------------------------|-----------------|--------------------------------|----------------|
| ALABAMA (27 cities) | | | | |
| Andalusia..... | | 92 | 0 | June 22, 1932 |
| Athens..... | | 95 | 0 | June 15, 1932 |
| Atmore..... | | 93 | 0 | Aug. 22, 1932 |
| Auburn..... | | 94 | 0 | July 7, 1932 |
| Boaz..... | | 94 | 0 | June 29, 1932 |
| Cullman..... | 99 | 92 | 28 | Sept. 23, 1932 |
| Decatur..... | 94 | 90 | 44 | Aug. 19, 1932 |
| Flomaton..... | | 96 | 0 | Aug. 22, 1932 |
| Florence..... | 92 | 90 | 35 | July 7, 1932 |
| Fort Payne..... | | 94 | 0 | Oct. 7, 1932 |
| Gadsden..... | 99 | 95 | 24 | Do. |
| Guntersville..... | | 91 | 0 | June 29, 1932 |
| Hartselle..... | | 96 | 0 | Aug. 17, 1932 |
| Huntsville..... | 97 | 93 | 53 | July 20, 1932 |
| Montgomery..... | 96 | 90 | 22 | Aug. 26, 1932 |
| Opelika..... | 91 | 92 | 21 | July 6, 1932 |
| Russellville..... | | 93 | 0 | Aug. 22, 1932 |
| Scottsboro..... | | 96 | 0 | June 27, 1932 |
| Selma..... | | 93 | 0 | Aug. 2, 1932 |
| Stevenson..... | | 96 | 0 | June 27, 1932 |
| Sylacauga..... | | 93 | 0 | Aug. 2, 1932 |
| Talladega..... | | 92 | 0 | Do. |
| Tallassee..... | | 98 | 0 | Feb. 5, 1932 |
| Tuscaloosa..... | 97 | 95 | 75 | July 28, 1932 |
| Tuskegee..... | 98 | 92 | 82 | July 5, 1932 |
| Wetumpka..... | | 90 | 0 | Sept. 20, 1932 |
| York..... | | 97 | 0 | Aug. 23, 1932 |
| ARKANSAS (1 city) | | | | |
| Texarkana..... | 98 | 96 | 33 | Oct. 13, 1932 |
| INDIANA (1 city) | | | | |
| Frankfort..... | 93 | | 100 | Mar. 11, 1933 |
| KENTUCKY (3 cities) | | | | |
| Bowling Green..... | 92 | 91 | 22 | Aug. 1933 |
| Henderson..... | 98 | 97 | 29 | June 1933 |
| Louisville..... | 95 | 90.5 | 97 | Sept. 1933 |

Cities having ratings of 90 percent or more according to last rating received during period Jan. 1, 1932, to Dec. 31, 1933—Continued

| City | Pasteurized milk rating | Raw milk rating | Percentage of milk pasteurized | Date of rating |
|-------------------------|-------------------------|-----------------|--------------------------------|----------------|
| MISSISSIPPI (18 cities) | | | | |
| Brookhaven..... | 90 | 99 | 0 | May 18, 1933 |
| Cleveland..... | 96 | 98 | 41 | July 20, 1933 |
| Columbus..... | 99 | 96 | 59 | July 12, 1933 |
| Durant..... | 99 | 99 | 0 | May 22, 1933 |
| Greenville..... | 97 | 95 | 13 | May 31, 1933 |
| Greenwood..... | 98 | 92 | 23 | July 14, 1933 |
| Hollandale..... | 95 | 95 | 0 | June 1, 1933 |
| Indianola..... | 92 | 92 | 0 | June 2, 1933 |
| Jackson..... | 93 | 90 | 22 | Aug. 11, 1933 |
| McComb..... | 94 | 94 | 0 | June 21, 1933 |
| Meridian..... | 99 | 99 | 22 | May 4, 1933 |
| Natchez..... | 92 | 96 | 16 | May 17, 1933 |
| Ocean Springs..... | 92 | 92 | 0 | July 7, 1933 |
| Picayune..... | 91 | 94 | 76 | June 8, 1933 |
| Ruleville..... | 98 | 98 | 0 | June 2, 1933 |
| Shelby..... | 92 | 95 | 63 | June 10, 1932 |
| Vicksburg..... | 96 | 92 | 35 | June 28, 1933 |
| Yazoo City..... | 95 | 95 | 0 | May 24, 1933 |

NEW MEXICO (4 cities)

| | | | | |
|-----------------|----|-----|---|---------------|
| Alamogordo..... | 94 | 94 | 0 | May 20, 1933 |
| Artesia..... | 90 | 90 | 0 | May 23, 1933 |
| Clayton..... | 90 | 90 | 0 | June 3, 1933 |
| Las Vegas..... | 90 | 100 | 0 | Sept. 8, 1932 |

NORTH CAROLINA (24 cities)

| | | | | |
|---------------------|------|------|----|----------------|
| Albemarle..... | 92 | 92 | 0 | Oct. 31, 1933 |
| Apex..... | 97 | 97 | 0 | Sept. 28, 1933 |
| Beaufort..... | 96 | 96 | 0 | July 15, 1933 |
| Canton..... | 98 | 98 | 0 | Oct. 19, 1933 |
| Coats..... | 97 | 97 | 0 | Oct. 10, 1933 |
| Dunn..... | 95 | 95 | 0 | Do. |
| Durham..... | 96 | 92 | 76 | Nov. 10, 1932 |
| Elkin..... | 93 | 93 | 0 | Oct. 6, 1932 |
| Erwin..... | 95 | 95 | 0 | Oct. 10, 1933 |
| Granite Falls..... | 92 | 92 | 0 | Oct. 5, 1933 |
| Hamlet..... | 95 | 95 | 0 | Oct. 20, 1933 |
| Hendersonville..... | 93 | 97 | 35 | Oct. 3, 1933 |
| High Point..... | 94 | 95 | 60 | Oct. 21, 1933 |
| Hope Mills..... | 99.5 | 99.5 | 0 | Oct. 13, 1933 |
| Lenoir..... | 95 | 95 | 0 | Oct. 4, 1933 |
| Manteo..... | 94 | 94 | 0 | Sept. 19, 1933 |
| Morehead City..... | 93 | 93 | 0 | July 15, 1933 |
| Mt. Airy..... | 99 | 99 | 0 | Oct. 6, 1933 |
| Rockingham..... | 93 | 93 | 0 | Oct. 19, 1933 |
| Sanford..... | 92 | 92 | 0 | Oct. 28, 1932 |
| Thomasville..... | 93 | 90 | 30 | Sept. 11, 1933 |
| Waynesville..... | 96 | 96 | 0 | Oct. 21, 1933 |
| Wilkesboro..... | 93 | 93 | 0 | Nov. 21, 1932 |
| Winston-Salem..... | 94 | 92 | 42 | Sept. 30, 1933 |

OREGON (1 city)

| | | | | |
|---------------|----|----|----|--------------|
| Portland..... | 93 | 98 | 76 | Dec. 2, 1932 |
|---------------|----|----|----|--------------|

SOUTH CAROLINA (1 city)

| | | | | |
|---------------|----|----|----|------|
| Columbia..... | 91 | 92 | 60 | 1932 |
|---------------|----|----|----|------|

Cities having ratings of 90 percent or more according to last rating received during period Jan. 1, 1932, to Dec. 31, 1933—Continued

| City | Pasteurized milk rating | Raw milk rating | Percentage of milk pasteurized | Date of rating |
|-----------------------------|-------------------------|-----------------|--------------------------------|----------------|
| TENNESSEE (3 cities) | | | | |
| Covington..... | | 91 | 0 | Nov. 2, 1932 |
| Dyersburg..... | | 90 | 0 | June 1, 1933 |
| Memphis..... | 90 | 98 | 73 | July 1933 |

| | | | | |
|--------------------------|----|----|----|----------------|
| TEXAS (12 cities) | | | | |
| Arlene..... | 95 | 95 | 51 | June 15, 1932 |
| Amarillo..... | 90 | 94 | 63 | May 14, 1932 |
| Austin..... | 92 | 95 | 21 | Sept. 12, 1932 |
| Brenham..... | | 93 | 0 | Apr. 1932 |
| Dallas..... | 93 | 93 | 78 | June 1932 |
| Graham..... | 95 | 92 | 28 | Do. |
| Jacksonville..... | | 92 | 0 | Nov. 1932 |
| La Feria..... | | 91 | 0 | Jan. 27, 1932 |
| Lubbock..... | 90 | 91 | 17 | Mar. 3, 1932 |
| Sweetwater..... | 93 | 96 | 74 | June 27, 1932 |
| Texarkana..... | 95 | 93 | 36 | Apr. 1932 |
| Waco..... | 91 | 91 | 32 | Dec. 9, 1932 |

| | | | | |
|------------------------------|----|----|----|---------------|
| WASHINGTON (2 cities) | | | | |
| Vancouver..... | 90 | 93 | 25 | Nov. 30, 1932 |
| Walla Walla..... | 93 | 94 | 56 | Dec. 14, 1932 |

COURT DECISION RELATING TO PUBLIC HEALTH

Original birth certificate held admissible in evidence.—(Missouri Supreme Court, Div. No. 2; *State v. Shelby*, 62 S.W.(2d) 721; decided Aug. 12, 1933.) In a criminal case the State introduced in evidence the original birth certificate of the prosecuting witness. It was urged that it was error for the court to admit such certificate because it appeared from the assistant State registrar's testimony, as well as from the instrument itself, that the child's name was not written therein by the attending physician, but that it was written with a different ink, by a different hand, and at a time subsequent to the filling in of the other parts of the blank. The evidence strongly tended to show that the child's name was written in the same handwriting and with the same ink as the local registrar's signature. By State law the certificate was required to be preserved, and one part of the law detailed the procedure to be followed if the child had not been named at the date of filing the birth certificate. The supreme court said that it seemed to it, under the facts outlined and in view of the statutory provisions, that the trial court, in the absence of evidence to the contrary, might properly have indulged the presumption of right acting and performance of duty by officials charged with the enforcement of the law governing the registration of vital statistics with respect to the certificate in question and admitted it on that ground.

But the court said that there was another and more compelling reason why the action of the trial court in admitting the certificate was proper. By statute it was provided that a properly certified copy of the record of any birth registered under the law should be prima facie evidence in all courts and places of the facts therein stated. Reference was made by the court to the recent case of *State v. Worden*, 56 S.W.(2d) 595, 598, in which it was said:

Since original [birth] certificates * * * are required by the statute * * * to be permanently kept, such a certificate becomes an official record which is always admissible in evidence. A copy of a public paper required to be filed, certified by the officer intrusted with its custody, is admissible in evidence if the original is admissible. * * *

The court stated that it necessarily followed that the converse of the latter proposition was true, that is, if the certified copy was admissible, the original was certainly likewise admissible. Said the court:

* * * It would be anomalous, indeed, to hold inadmissible an original document a certified copy of which is by statute made prima facie evidence, and we decline to so hold.

MORTALITY SUMMARY FOR LARGE CITIES, 1933

Number of deaths, death rates, and infant mortality for a group of 86 large cities in the United States for the 52-week period Jan. 1 to Dec. 30, 1933, and comparison with 1932

[From the Weekly Health Index, Bureau of the Census, Department of Commerce]

| City | Total deaths ¹ | Death rate ² (per 1,000 estimated population) | Deaths under 1 year ¹ | Provisional infant mortality rate 1933 ³ | Infant mortality rate 1932 | Actual mortality in calendar year, 1932 | | |
|------------------------|---------------------------|---|----------------------------------|---|----------------------------|---|---|---------------------|
| | | | | | | Total deaths | Death rate ⁴ (per 1,000 estimated population) | Deaths under 1 year |
| Total (86 cities)..... | 408,972 | 11.0 | 29,776 | 53 | 55 | 413,958 | 11.2 | 32,847 |
| Akron..... | 1,970 | 7.3 | 152 | 43 | 46 | 1,985 | 7.5 | 183 |
| Albany..... | 1,835 | 14.0 | 104 | 43 | 49 | 1,765 | 13.5 | 118 |
| Atlanta..... | 3,935 | 13.6 | 415 | 82 | 69 | 3,879 | 13.7 | 375 |
| White..... | 2,021 | 10.6 | 201 | 64 | 56 | 2,049 | 10.9 | 194 |
| Colored..... | 1,914 | 19.5 | 214 | 113 | 62 | 1,830 | 19.1 | 181 |
| Baltimore..... | 10,785 | 13.1 | 824 | 61 | 62 | 10,778 | 13.1 | 870 |
| White..... | 8,230 | 12.2 | 546 | 53 | 53 | 8,063 | 12.0 | 572 |
| Colored..... | 2,555 | 16.7 | 278 | 87 | 94 | 2,712 | 18.1 | 298 |
| Birmingham..... | 3,100 | 10.9 | 310 | 70 | 65 | 3,211 | 11.6 | 322 |
| White..... | 1,541 | 8.7 | 140 | 57 | 49 | 1,533 | 9.0 | 143 |
| Colored..... | 1,559 | 14.4 | 170 | 86 | 87 | 1,678 | 15.7 | 179 |
| Boston..... | 10,988 | 13.9 | 938 | 58 | 59 | 10,924 | 13.9 | 1,024 |
| Bridgeport..... | 1,501 | 10.8 | 100 | 43 | 47 | 1,530 | 10.4 | 122 |
| Buffalo..... | 7,104 | 12.0 | 661 | 68 | 67 | 7,238 | 12.4 | 692 |
| Cambridge..... | 1,401 | 12.2 | 104 | 42 | 37 | 1,384 | 12.1 | 140 |
| Camden..... | 1,526 | 12.8 | 160 | 57 | 68 | 1,714 | 14.4 | 208 |
| Canon..... | 924 | 8.4 | 60 | 40 | 60 | 1,004 | 9.3 | 109 |
| Chicago..... | 34,632 | 9.7 | 2,270 | 51 | 49 | 34,360 | 9.8 | 2,415 |
| Cincinnati..... | 6,531 | 14.0 | 400 | 56 | 55 | 6,781 | 14.7 | 413 |
| Cleveland..... | 9,063 | 9.8 | 583 | 43 | 53 | 9,821 | 10.6 | 797 |
| Columbus..... | 4,013 | 13.3 | 304 | 64 | 61 | 4,006 | 13.7 | 285 |
| Dallas..... | 3,154 | 10.8 | 390 | 78 | 70 | 3,044 | 10.8 | 392 |
| White..... | 2,422 | 9.8 | 329 | 78 | 69 | 2,204 | 9.2 | 268 |
| Colored..... | 732 | 17.0 | 61 | 77 | 121 | 840 | 20.0 | 124 |

See footnotes at end of table.

Number of deaths, death rates, and infant mortality for a group of 86 large cities in the United States for the 52-week period Jan. 1 to Dec. 30, 1933, and comparison with 1932—Continued

| City | Total deaths | Death rate ² (per 1,000 estimated population) | Deaths under 1 year ¹ | Provisional infant mortality rate 1933 ^{1,2} | Infant mortality rate 1932 | Actual mortality in calendar year, 1932 | | |
|--------------------------------|--------------|---|----------------------------------|---|----------------------------|---|---|---------------------|
| | | | | | | Total deaths | Death rate ⁴ (per 1,000 estimated population) | Deaths under 1 year |
| Dayton..... | 2,424 | 11.6 | 156 | 50 | 54 | 2,428 | 11.7 | 181 |
| Denver..... | 3,982 | 13.4 | 254 | 52 | 69 | 4,326 | 14.7 | 336 |
| Des Moines..... | 1,504 | 10.2 | 83 | 30 | 57 | 1,798 | 12.3 | 150 |
| Detroit..... | 12,340 | 6.9 | 1,160 | 51 | 52 | 12,990 | 7.5 | 1,349 |
| Duluth..... | 1,031 | 10.1 | 67 | 41 | 52 | 1,149 | 11.3 | 84 |
| El Paso..... | 1,441 | 13.2 | 314 | 126 | 92 | 1,462 | 13.7 | 238 |
| Erie..... | 1,253 | 10.4 | 81 | 33 | 54 | 1,311 | 11.0 | 119 |
| Evansville..... | 1,145 | 10.7 | 86 | 62 | 44 | 1,114 | 10.5 | 64 |
| Fall River ³ | 1,562 | 13.6 | 119 | 57 | 53 | 1,312 | 11.4 | 111 |
| Flint..... | 1,301 | 7.4 | 169 | 56 | 61 | 1,227 | 7.2 | 200 |
| Fort Wayne..... | 1,190 | 9.6 | 80 | 26 | 49 | 1,199 | 9.9 | 89 |
| Fort Worth..... | 1,788 | 10.3 | 177 | 70 | 66 | 1,765 | 10.3 | 178 |
| White..... | 1,420 | 9.4 | 137 | 62 | 58 | 1,361 | 9.2 | 129 |
| Colored..... | 368 | 15.9 | 40 | 130 | 106 | 404 | 17.6 | 49 |
| Grand Rapids..... | 1,605 | 9.1 | 138 | 52 | 40 | 1,545 | 8.9 | 117 |
| Hartford..... | 2,135 | 12.4 | 190 | 78 | 54 | 2,034 | 12.0 | 201 |
| Houston..... | 3,564 | 10.5 | 308 | 61 | 62 | 3,479 | 10.7 | 321 |
| White..... | 2,501 | 9.4 | 229 | 56 | 39 | 2,149 | 8.4 | 148 |
| Colored..... | 1,063 | 14.8 | 79 | 79 | 127 | 1,330 | 19.1 | 173 |
| Indianapolis..... | 4,851 | 12.8 | 319 | 59 | 61 | 4,760 | 12.7 | 365 |
| White..... | 4,066 | 12.4 | 261 | 65 | 58 | 4,011 | 12.2 | 290 |
| Colored..... | 785 | 16.1 | 58 | 82 | 83 | 749 | 16.2 | 66 |
| Jersey City..... | 3,429 | 10.7 | 280 | 41 | 54 | 3,537 | 11.0 | 363 |
| Kansas City, Kans..... | 1,533 | 12.3 | 104 | 47 | 59 | 1,587 | 12.8 | 134 |
| White..... | 1,175 | 11.4 | 67 | 34 | 54 | 1,264 | 12.3 | 103 |
| Colored..... | 358 | 16.7 | 37 | 147 | 89 | 323 | 15.4 | 31 |
| Kansas City, Mo..... | 5,124 | 12.1 | 292 | 53 | 57 | 5,131 | 12.3 | 331 |
| Knoxville..... | 1,295 | 11.3 | 144 | 70 | 75 | 1,343 | 12.0 | 158 |
| White..... | 1,027 | 10.8 | 109 | 59 | 71 | 1,046 | 11.2 | 135 |
| Colored..... | 268 | 14.1 | 35 | 150 | 104 | 297 | 16.2 | 23 |
| Long Beach..... | 1,464 | 8.7 | 66 | 30 | 36 | 1,534 | 9.5 | 72 |
| Los Angeles..... | 14,657 | 10.1 | 874 | 55 | 56 | 14,712 | 10.6 | 944 |
| Louisville..... | 3,849 | 12.5 | 307 | 58 | 67 | 4,295 | 13.9 | 355 |
| White..... | 2,887 | 11.1 | 242 | 54 | 61 | 3,317 | 12.7 | 278 |
| Colored..... | 962 | 20.1 | 65 | 74 | 102 | 978 | 20.5 | 77 |
| Lowell ⁵ | 1,326 | 13.3 | 102 | 57 | 67 | 1,298 | 12.9 | 130 |
| Lynn..... | 1,023 | 9.9 | 64 | 39 | 42 | 1,059 | 10.1 | 66 |
| Memphis..... | 4,289 | 16.0 | 437 | 104 | 96 | 4,344 | 16.5 | 442 |
| White..... | 2,121 | 12.8 | 215 | 85 | 76 | 2,169 | 13.3 | 213 |
| Colored..... | 2,168 | 21.2 | 222 | 134 | 127 | 2,175 | 21.6 | 229 |
| Miami..... | 1,231 | 11.2 | 86 | 53 | 58 | 1,242 | 11.4 | 102 |
| White..... | 854 | 9.9 | 53 | 45 | 45 | 866 | 10.2 | 58 |
| Colored..... | 377 | 15.6 | 33 | 74 | 91 | 376 | 15.5 | 44 |
| Milwaukee..... | 4,893 | 8.0 | 387 | 45 | 47 | 5,210 | 8.6 | 442 |
| Minneapolis..... | 5,015 | 10.3 | 303 | 42 | 53 | 5,187 | 10.8 | 421 |
| Nashville..... | 2,386 | 15.1 | 256 | 81 | 78 | 2,412 | 15.4 | 261 |
| White..... | 1,551 | 13.5 | 173 | 75 | 77 | 1,564 | 13.7 | 193 |
| Colored..... | 835 | 19.5 | 83 | 98 | 81 | 848 | 19.8 | 68 |
| New Bedford ⁶ | 1,324 | 11.8 | 90 | 55 | 56 | 1,244 | 11.0 | 97 |
| New Haven..... | 2,090 | 12.9 | 95 | 43 | 43 | 2,039 | 12.5 | 134 |
| New Orleans..... | 7,483 | 15.6 | 683 | 84 | 75 | 7,750 | 16.3 | 685 |
| White..... | 4,400 | 12.9 | 339 | 68 | 61 | 4,685 | 13.9 | 354 |
| Colored..... | 3,083 | 22.2 | 344 | 108 | 99 | 3,065 | 22.4 | 331 |
| New York..... | 75,157 | 10.3 | 5,511 | 52 | 51 | 74,501 | 10.3 | 5,598 |
| Bronx Borough..... | 11,044 | 7.7 | 730 | 47 | 41 | 10,619 | 7.7 | 682 |
| Brooklyn Borough..... | 25,793 | 9.5 | 2,094 | 48 | 47 | 25,428 | 9.5 | 2,096 |
| Manhattan Borough..... | 27,951 | 16.2 | 2,067 | 63 | 63 | 28,182 | 15.9 | 2,160 |
| Queens Borough..... | 8,078 | 6.4 | 488 | 44 | 42 | 7,964 | 6.6 | 509 |
| Richmond Borough..... | 2,291 | 13.4 | 132 | 52 | 58 | 2,308 | 13.8 | 151 |
| Newark, N.J..... | 4,927 | 11.0 | 328 | 41 | 41 | 4,670 | 10.4 | 361 |
| Oakland..... | 3,098 | 10.2 | 144 | 37 | 40 | 3,130 | 10.5 | 159 |
| Oklahoma City..... | 2,060 | 9.6 | 226 | 63 | 64 | 2,091 | 10.2 | 210 |
| Omaha..... | 2,681 | 12.2 | 165 | 39 | 42 | 2,720 | 12.4 | 178 |
| Paterson..... | 1,711 | 12.3 | 120 | 45 | 49 | 1,721 | 12.4 | 138 |
| Peoria..... | 1,156 | 10.2 | 80 | 50 | 56 | 1,199 | 10.8 | 94 |
| Philadelphia..... | 23,785 | 12.0 | 1,450 | 49 | 52 | 23,743 | 12.0 | 1,668 |
| Pittsburgh..... | 7,447 | 10.9 | 639 | 54 | 66 | 8,647 | 12.7 | 867 |
| Portland, Oreg..... | 3,510 | 11.2 | 134 | 35 | 34 | 3,422 | 11.0 | 133 |
| Providence..... | 3,121 | 12.1 | 265 | 54 | 60 | 3,312 | 12.9 | 312 |

See footnotes at end of table.

Number of deaths, death rates, and infant mortality for a group of 86 large cities in the United States for the 52-week period Jan. 1 to Dec. 30, 1933, and comparison with 1932—Continued

| City | Total deaths ¹ | Death rate ² (per 1,000 estimated population) | Deaths under 1 year ³ | Provisional infant mortality rate 1933 ⁴ | Infant mortality rate 1932 | Actual mortality in calendar year, 1932 | | |
|-------------------------------------|---------------------------|---|----------------------------------|---|----------------------------|---|---|---------------------|
| | | | | | | Total deaths | Death rate ² (per 1,000 estimated population) | Deaths under 1 year |
| Richmond..... | 2,529 | 13.6 | 189 | 62 | 64 | 2,615 | 14.1 | 216 |
| White..... | 1,522 | 11.4 | 96 | 51 | 49 | 1,544 | 11.6 | 109 |
| Colored..... | 1,007 | 19.2 | 93 | 81 | 90 | 1,072 | 20.3 | 107 |
| Rochester..... | 3,771 | 11.2 | 249 | 51 | 48 | 3,888 | 11.6 | 260 |
| St. Louis..... | 10,562 | 12.6 | 529 | 41 | 56 | 11,035 | 13.3 | 724 |
| St. Paul..... | 2,804 | 9.9 | 182 | 41 | 39 | 2,983 | 10.7 | 195 |
| Salt Lake City..... | 1,496 | 10.2 | 139 | 44 | 42 | 1,585 | 10.9 | 136 |
| San Antonio..... | 3,306 | 13.1 | 537 | 100 | 103 | 3,454 | 14.0 | 530 |
| San Diego..... | 2,233 | 13.2 | 128 | 49 | 47 | 2,252 | 13.8 | 122 |
| San Francisco..... | 8,208 | 12.2 | 274 | 40 | 39 | 8,224 | 12.4 | 293 |
| Schenectady..... | 1,039 | 10.8 | 65 | 46 | 54 | 981 | 10.2 | 81 |
| Seattle..... | 4,142 | 10.9 | 164 | 34 | 43 | 4,153 | 11.0 | 212 |
| Somerville..... | 973 | 9.1 | 62 | 51 | 47 | 930 | 8.7 | 63 |
| South Bend..... | 833 | 7.3 | 57 | 39 | 50 | 836 | 7.5 | 75 |
| Spokane..... | 1,375 | 11.7 | 72 | 37 | 40 | 1,342 | 11.5 | 77 |
| Springfield, Mass..... | 1,721 | 11.0 | 120 | 44 | 57 | 1,683 | 10.9 | 150 |
| Syracuse..... | 2,398 | 11.0 | 139 | 39 | 49 | 2,521 | 11.7 | 187 |
| Tacoma..... | 1,394 | 12.8 | 53 | 28 | 48 | 1,380 | 12.7 | 84 |
| Tampa..... | 1,226 | 11.1 | 83 | 54 | 52 | 1,182 | 10.9 | 89 |
| White..... | 852 | 9.7 | 60 | 48 | 42 | 878 | 10.3 | 57 |
| Colored..... | 374 | 16.1 | 23 | 81 | 89 | 304 | 13.4 | 32 |
| Toledo..... | 3,434 | 11.3 | 236 | 56 | 62 | 3,444 | 11.4 | 272 |
| Trenton..... | 1,435 | 14.8 | 115 | 48 | 58 | 1,754 | 14.1 | 146 |
| Utica..... | 1,432 | 13.9 | 92 | 53 | 60 | 1,526 | 14.8 | 110 |
| Washington, D.C..... | 7,885 | 16.0 | 659 | 66 | 73 | 7,937 | 16.1 | 740 |
| White..... | 4,791 | 13.4 | 318 | 48 | 56 | 5,001 | 14.0 | 380 |
| Colored..... | 3,094 | 22.6 | 341 | 99 | 108 | 2,936 | 21.6 | 360 |
| Waterbury..... | 919 | 9.0 | 74 | 55 | 43 | 1,040 | 10.2 | 80 |
| Wilmington, Del. ⁵ | 1,529 | 14.4 | 103 | 47 | 62 | 1,490 | 14.0 | 138 |
| Worcester..... | 2,471 | 12.4 | 164 | 51 | 53 | 2,379 | 12.0 | 181 |
| Yonkers..... | 1,082 | 7.5 | 86 | 50 | 46 | 1,194 | 8.4 | 90 |
| Youngstown..... | 1,613 | 9.1 | 125 | 49 | 62 | 1,659 | 9.5 | 175 |

¹ Based upon telegraphic reports received each week from city health officers.

² Allowance has been made for the extra day which must be added to the 52 weeks to give a period of 365 days.

³ Infant mortality rate is based upon deaths under 1 year as returned each week, and estimated live births, 1933.

⁴ Based upon deaths which occurred within the calendar year.

⁵ Mortality rates based upon population Apr. 1, 1930; decreased 1920 to 1930; no estimate made.

NOTE.—For the cities for which deaths are shown by color, the percentages of colored population in 1930 were as follows: Atlanta, 33, Baltimore 18, Birmingham 38, Dallas 17, Fort Worth 16, Houston 27, Indianapolis 12, Kansas City, Kans. 19, Knoxville 16, Louisville 15, Memphis 38, Miami 23, Nashville 28, New Orleans 29, Richmond 29, Tampa 21, and Washington, D.C. 27.

DEATHS DURING WEEK ENDED JAN. 6, 1934

[From the Weekly Health Index, issued by the Bureau of the Census, Department of Commerce]

| | Week ended Jan. 6, 1934 | Corresponding week, 1933 |
|---|----------------------------|-----------------------------|
| Data from 86 large cities of the United States: | | |
| Total deaths..... | 9,344 | 9,776 |
| Deaths per 1,000 population, annual basis..... | 13.0 | 13.6 |
| Deaths under 1 year of age..... | 630 | 676 |
| Deaths under 1 year of age per 1,000 estimated live births..... | 39 | 43 |
| Data from industrial insurance companies: | | |
| Policies in force..... | 67,833,275 | 69,164,524 |
| Number of death claims..... | 10,178 | 11,377 |
| Death claims per 1,000 policies in force, annual rate..... | 7.8 | 8.6 |

¹ Data for 81 cities.

PREVALENCE OF DISEASE

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring

UNITED STATES

CURRENT WEEKLY STATE REPORTS

These reports are preliminary, and the figures are subject to change when later returns are received by the State health officers

Reports for Weeks Ended Jan. 13, 1934, and Jan. 14, 1933

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Jan. 13, 1934, and Jan. 14, 1933

| Division and State | Diphtheria | | Influenza | | Measles | | Meningococcus meningitis | |
|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 |
| New England States: | | | | | | | | |
| Maine..... | 1 | 1 | 9 | 1,341 | 5 | ----- | 0 | 0 |
| New Hampshire..... | 1 | ----- | ----- | ----- | 85 | ----- | 0 | 0 |
| Vermont..... | 3 | 3 | ----- | ----- | 33 | ----- | 0 | 0 |
| Massachusetts..... | 20 | 22 | ----- | 263 | 1,209 | 140 | 2 | 0 |
| Rhode Island..... | 1 | 4 | ----- | 79 | 2 | 1 | 1 | 0 |
| Connecticut..... | 7 | 5 | 12 | 471 | 10 | 100 | 0 | 0 |
| Middle Atlantic States: | | | | | | | | |
| New York..... | 54 | 69 | 16 | 1,533 | 652 | 1,160 | 5 | 11 |
| New Jersey..... | 27 | 39 | 26 | 444 | 110 | 308 | 1 | 1 |
| Pennsylvania..... | 84 | 111 | ----- | ----- | 946 | 360 | 4 | 2 |
| East North Central States: | | | | | | | | |
| Ohio..... | 75 | 62 | 100 | 870 | 239 | 559 | 1 | 3 |
| Indiana..... | 41 | 46 | 75 | 452 | 170 | 16 | 9 | 4 |
| Illinois..... | 60 | 86 | 19 | 245 | 147 | 77 | 10 | 9 |
| Michigan..... | 14 | 23 | 7 | 173 | 46 | 378 | 0 | 5 |
| Wisconsin..... | 9 | 10 | 40 | 4,043 | 157 | 158 | 2 | 3 |
| West North Central States: | | | | | | | | |
| Minnesota..... | 11 | 6 | 1 | 88 | 97 | 224 | 0 | 2 |
| Iowa..... | 13 | 22 | 15 | 1,208 | 63 | ----- | 0 | 5 |
| Missouri..... | 73 | 46 | 7 | 104 | 433 | 79 | 1 | 4 |
| North Dakota..... | ----- | 8 | 5 | 2,470 | 134 | 65 | 0 | 0 |
| South Dakota..... | 5 | 12 | 1 | 148 | 340 | 5 | 1 | 0 |
| Nebraska..... | 12 | 14 | ----- | 216 | 17 | 9 | 0 | 3 |
| Kansas..... | 20 | 10 | 1 | 2,027 | 29 | 25 | 2 | 2 |
| South Atlantic States: | | | | | | | | |
| Delaware..... | 5 | 11 | 3 | 13 | 12 | 2 | 0 | 0 |
| Maryland..... | 16 | 15 | 26 | 1,235 | 61 | 6 | 0 | 2 |
| District of Columbia..... | 13 | 10 | 5 | 11 | 101 | 7 | 0 | 1 |
| Virginia..... | 43 | 22 | ----- | ----- | 309 | 176 | 4 | 5 |
| West Virginia..... | 23 | 12 | 30 | 2,094 | 17 | 228 | 0 | 1 |
| North Carolina..... | 51 | 17 | 49 | 1,193 | 1,382 | 144 | 0 | 1 |
| South Carolina..... | 15 | 10 | 684 | 3,016 | 334 | 20 | 0 | 0 |
| Georgia..... | 12 | 12 | ----- | 1,507 | 849 | 4 | 0 | 0 |
| Florida..... | 14 | 9 | 3 | 84 | 11 | 4 | 0 | 0 |

See footnotes at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Jan. 13, 1934, and Jan. 14, 1933—Continued

| Division and State | Diphtheria | | Influenza | | Measles | | Meningococcus Meningitis | |
|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 |
| East South Central States: | | | | | | | | |
| Kentucky..... | 20 | 34 | 7 | 4, 134 | 7 | | 2 | 3 |
| Tennessee..... | 26 | 23 | 70 | 1, 630 | 437 | 9 | 2 | 4 |
| Alabama..... | 33 | 30 | 50 | 1, 119 | 137 | 4 | 2 | 5 |
| Mississippi..... | 14 | 10 | | | | | 0 | 0 |
| West South Central States: | | | | | | | | |
| Arkansas..... | 9 | 13 | 65 | 1, 187 | 681 | 6 | 0 | 0 |
| Louisiana..... | 21 | 22 | 16 | 560 | 22 | 2 | 3 | 2 |
| Oklahoma..... | 39 | 21 | 72 | 1, 410 | 232 | | 2 | 3 |
| Texas..... | 232 | 108 | 1, 262 | 3, 054 | 1, 135 | 543 | 4 | 1 |
| Mountain States: | | | | | | | | |
| Montana..... | 1 | 6 | 4 | 2, 250 | 4 | 194 | 0 | 0 |
| Idaho..... | | | 3 | 3 | 24 | 6 | 0 | 0 |
| Wyoming..... | | 2 | | | 41 | 20 | 0 | 0 |
| Colorado..... | 5 | 11 | | 108 | 11 | 10 | 0 | 0 |
| New Mexico..... | 8 | 12 | 3 | 4 | 124 | 3 | 0 | 0 |
| Arizona..... | 2 | 3 | 21 | 51 | 16 | | 4 | 0 |
| Utah..... | 1 | 2 | | 5 | 606 | | 0 | 0 |
| Pacific States: | | | | | | | | |
| Washington..... | 3 | 4 | | 58 | 400 | 3 | 0 | 0 |
| Oregon..... | 2 | 3 | 31 | 527 | 27 | 25 | 0 | 0 |
| California..... | 48 | 61 | 48 | 756 | 635 | 108 | 3 | 5 |
| Total..... | 1, 187 | 1, 082 | 2, 804 | 42, 084 | 12, 529 | 5, 188 | 65 | 87 |

| Division and State | Poliomyelitis | | Scarlet fever | | Smallpox | | Typhoid fever | |
|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 |
| New England States: | | | | | | | | |
| Maine..... | 2 | 0 | 19 | 45 | 0 | 0 | 1 | 0 |
| New Hampshire..... | 0 | 0 | 35 | 26 | 0 | 0 | 0 | 0 |
| Vermont..... | 0 | 0 | 12 | 17 | 0 | 0 | 0 | 0 |
| Massachusetts..... | 1 | 0 | 200 | 416 | 0 | 0 | 3 | 3 |
| Rhode Island..... | 0 | 0 | 23 | 41 | 0 | 0 | 0 | 0 |
| Connecticut..... | 0 | 0 | 62 | 114 | 0 | 1 | 0 | 1 |
| Middle Atlantic States: | | | | | | | | |
| New York..... | 2 | 0 | 687 | 747 | 0 | 0 | 7 | 7 |
| New Jersey..... | 0 | 1 | 165 | 265 | 0 | 0 | 5 | 1 |
| Pennsylvania..... | 0 | 2 | 709 | 594 | 0 | 0 | 13 | 6 |
| East North Central States: | | | | | | | | |
| Ohio..... | 0 | 1 | 554 | 682 | 0 | 7 | 2 | 4 |
| Indiana..... | 0 | 0 | 188 | 108 | 2 | 2 | 0 | 1 |
| Illinois..... | 0 | 1 | 528 | 488 | 3 | 12 | 7 | 2 |
| Michigan..... | 2 | 0 | 335 | 408 | 1 | 0 | 1 | 3 |
| Wisconsin..... | 0 | 0 | 137 | 101 | 18 | 4 | 0 | 0 |
| West North Central States: | | | | | | | | |
| Minnesota..... | 1 | 0 | 66 | 94 | 1 | 2 | 1 | 0 |
| Iowa..... | 0 | 0 | 72 | 30 | 2 | 16 | 0 | 0 |
| Missouri..... | 1 | 0 | 147 | 118 | 2 | 0 | 3 | 2 |
| North Dakota..... | 0 | 0 | 10 | 3 | 1 | 1 | 2 | 0 |
| South Dakota..... | 0 | 0 | 18 | 19 | 1 | 0 | 2 | 32 |
| Nebraska..... | 0 | 0 | 39 | 22 | 2 | 2 | 0 | 0 |
| Kansas..... | 0 | 0 | 121 | 73 | 4 | 1 | 3 | 1 |
| South Atlantic States: | | | | | | | | |
| Delaware..... | 1 | 0 | 12 | 15 | 0 | 0 | 1 | 0 |
| Maryland..... | 0 | 1 | 110 | 101 | 0 | 0 | 5 | 1 |
| District of Columbia..... | 0 | 0 | 16 | 21 | 0 | 0 | 1 | 0 |
| Virginia..... | 0 | 0 | 123 | 66 | 0 | 0 | 5 | 1 |
| West Virginia..... | 1 | 0 | 67 | 47 | 0 | 0 | 5 | 3 |
| North Carolina..... | 0 | 0 | 115 | 65 | 0 | 2 | 2 | 1 |
| South Carolina..... | 3 | 0 | 9 | 8 | 0 | 1 | 6 | 2 |
| Georgia..... | 0 | 0 | 14 | 17 | 0 | 0 | 7 | 3 |
| Florida..... | 0 | 0 | 8 | 8 | 0 | 0 | 2 | 4 |

See footnotes at end of table.

Cases of certain communicable diseases reported by telegraph by State health officers for weeks ended Jan. 13, 1934, and Jan. 14, 1933.—Continued

| Division and State | Poliomyelitis | | Scarlet fever | | Smallpox | | Typhoid fever | |
|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 | Week ended Jan. 13, 1934 | Week ended Jan. 14, 1933 |
| East South Central States: | | | | | | | | |
| Kentucky..... | 0 | 3 | 66 | 35 | 1 | 0 | 2 | 3 |
| Tennessee..... | 0 | 0 | 72 | 44 | 0 | 2 | 9 | 6 |
| Alabama ¹ | 1 | 1 | 24 | 22 | 1 | 2 | 3 | 8 |
| Mississippi ² | 1 | 0 | 13 | 7 | 0 | 2 | 0 | 0 |
| West South Central States: | | | | | | | | |
| Arkansas..... | 0 | 0 | 13 | 9 | 2 | 12 | 5 | 1 |
| Louisiana..... | 0 | 0 | 28 | 16 | 5 | 5 | 9 | 5 |
| Oklahoma ³ | 0 | 1 | 24 | 49 | 0 | 2 | 2 | 4 |
| Texas ⁴ | 0 | 0 | 249 | 113 | 6 | 15 | 21 | 8 |
| Mountain States: | | | | | | | | |
| Montana..... | 0 | 0 | 16 | 16 | 0 | 0 | 0 | 0 |
| Idaho..... | 0 | 0 | 6 | 7 | 0 | 4 | 2 | 1 |
| Wyoming..... | 0 | 0 | 18 | 18 | 2 | 1 | 1 | 0 |
| Colorado..... | 0 | 0 | 14 | 23 | 3 | 0 | 0 | 1 |
| New Mexico..... | 0 | 0 | 34 | 14 | 0 | 0 | 4 | 3 |
| Arizona..... | 2 | 0 | 22 | 10 | 0 | 1 | 0 | 0 |
| Utah ⁵ | 0 | 0 | 10 | 14 | 1 | 1 | 0 | 0 |
| Pacific States: | | | | | | | | |
| Washington..... | 5 | 1 | 36 | 28 | 8 | 5 | 0 | 3 |
| Oregon..... | 0 | 0 | 60 | 16 | 8 | 1 | 0 | 0 |
| California..... | 8 | 1 | 343 | 174 | 6 | 24 | 11 | 6 |
| Total..... | 31 | 13 | 5,709 | 5,374 | 80 | 128 | 153 | 127 |

¹ New York City only.

² Week ended earlier than Saturday.

³ Rocky Mountain spotted fever, week ended Jan. 13, 1934, North Carolina, 1 case.

⁴ Typhus fever, week ended Jan. 13, 1931, 33 cases, as follows: Georgia, 14; Florida, 1; Alabama, 3; Texas, 15.

⁵ Exclusive of Oklahoma City and Tulsa.

SUMMARY OF MONTHLY REPORTS FROM STATES

The following summary of cases reported monthly by States is published weekly and covers only those States from which reports are received during the current week.

| State | Menin- gococ- cus menin- gitis | Diph- theria | Influ- enza | Ma- la- ria | Mea- sles | Pel- lagra | Poli- mye- litis | Scarlet fever | Small- pox | Ty- phoid fever |
|----------------------|--|-----------------|----------------|-------------------|--------------|---------------|------------------------|------------------|---------------|-----------------------|
| <i>December 1933</i> | | | | | | | | | | |
| District of Columbia | 3 | 52 | 9 | | 125 | 1 | 2 | 75 | 0 | 9 |
| Florida..... | 1 | 57 | 9 | 33 | 39 | 1 | 1 | 16 | 0 | 8 |
| New Jersey..... | 5 | 101 | 97 | | 333 | | 2 | 580 | 0 | 17 |
| New York..... | 16 | 273 | | 6 | 3,297 | | 24 | 2,000 | 1 | 42 |
| North Dakota..... | 3 | 25 | | | 125 | | 0 | 137 | 0 | 9 |
| Ohio..... | 7 | 291 | 207 | 3 | 486 | | 9 | 2,120 | 5 | 22 |
| Vermont..... | | 4 | | | 297 | | 0 | 69 | 0 | 3 |

| | | | | | | | |
|---------------------------|-------|---------------------------|--|--------------|--------------------------------|--|--------------|
| <i>December 1933</i> | | Dysentery: | | Cases | Lead poisoning: | | Cases |
| Anthrax: | Cases | Florida..... | | 5 | New Jersey..... | | 1 |
| New York..... | 1 | New Jersey (amoebic)..... | | 6 | Ohio..... | | 5 |
| Chicken pox: | | New York (amoebic)..... | | 11 | Lethargic encephalitis: | | |
| District of Columbia..... | 44 | New York (bacillary)..... | | 25 | New York..... | | 5 |
| Florida..... | 61 | North Dakota..... | | 5 | North Dakota..... | | 1 |
| New Jersey..... | 1,283 | Ohio..... | | 19 | Ohio..... | | 2 |
| New York..... | 3,584 | Food poisoning: | | | Mumps: | | |
| North Dakota..... | 182 | Ohio..... | | 10 | Florida..... | | 4 |
| Ohio..... | 2,516 | German measles: | | | New Jersey..... | | 100 |
| Vermont..... | 226 | New Jersey..... | | 18 | North Dakota..... | | 4 |
| Diarrhea and enteritis: | | New York..... | | 104 | Ohio..... | | 108 |
| Ohio (under 2 years).... | 22 | Ohio..... | | 130 | Vermont..... | | 76 |

| | | | | | |
|-------------------------------|--------------|----------------------|--------------|-----------------------------|--------------|
| Ophthalmia neonatorum: | Cases | Tetanus: | Cases | Undulant fever: | Cases |
| New Jersey | 1 | New York | 6 | Florida | 1 |
| New York | 2 | Ohio | 3 | New Jersey | 4 |
| Ohio | 71 | Trachoma: | | New York | 23 |
| Paratyphoid fever: | | Ohio | 5 | Ohio | 1 |
| New Jersey | 1 | Trichinosis: | | Vincent's infection: | |
| New York | 3 | New Jersey | 10 | New York ¹ | 70 |
| Ohio | 1 | New York | 19 | Whooping cough: | |
| Puerperal septicaemia: | | Ohio | 1 | District of Columbia | 70 |
| Ohio | 3 | Tularaemia: | | Florida | 11 |
| Rabies in animals: | | Ohio | 37 | New Jersey | 485 |
| New Jersey | 11 | Typhus fever: | | New York | 1,656 |
| New York ¹ | 1 | Florida | 1 | North Dakota | 36 |
| Septic sore throat: | | New York | 1 | Ohio | 914 |
| New York | 31 | | | Vermont | 257 |
| Ohio | 226 | | | | |

¹ Exclusive of New York City.

WEEKLY REPORTS FROM CITIES

City reports for week ended Jan. 6, 1934

| State and city | Diphtheria cases | Influenza | | Measles cases | Pneumonia deaths | Scarlet fever cases | Small-pox cases | Tuberculosis deaths | Typhoid fever cases | Whooping cough cases | Deaths all causes |
|-----------------------|------------------|-----------|--------|---------------|------------------|---------------------|-----------------|---------------------|---------------------|----------------------|-------------------|
| | | Cases | Deaths | | | | | | | | |
| Maine: | | | | | | | | | | | |
| Portland | 0 | | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 10 | 18 |
| New Hampshire: | | | | | | | | | | | |
| Concord | 0 | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 10 |
| Manchester | 0 | | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 15 |
| Nashua | 0 | | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | |
| Vermont: | | | | | | | | | | | |
| Barre | 0 | | 0 | 8 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| Burlington | 0 | | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 7 | 8 |
| Massachusetts: | | | | | | | | | | | |
| Boston | 3 | | 2 | 234 | 35 | 42 | 0 | 10 | 0 | 27 | 264 |
| Fall River | 0 | | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 30 |
| Springfield | 0 | | 0 | 1 | 3 | 1 | 0 | 0 | 0 | 12 | 44 |
| Worcester | 0 | | 0 | 256 | 6 | 11 | 0 | 1 | 0 | 0 | 58 |
| Rhode Island: | | | | | | | | | | | |
| Pawtucket | 1 | | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 12 |
| Providence | 0 | | 0 | 0 | 15 | 6 | 0 | 2 | 0 | 7 | 81 |
| Connecticut: | | | | | | | | | | | |
| Bridgeport | 0 | 2 | 2 | 6 | 6 | 7 | 0 | 2 | 0 | 5 | 48 |
| Hartford | 0 | 1 | 0 | 0 | 3 | 4 | 0 | 0 | 0 | 1 | 49 |
| New Haven | 0 | 4 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 33 |
| New York: | | | | | | | | | | | |
| Buffalo | 2 | | 1 | 168 | 23 | 15 | 0 | 5 | 0 | 13 | 152 |
| New York | 38 | 26 | 14 | 20 | 189 | 202 | 0 | 83 | 3 | 93 | 1,653 |
| Rochester | 1 | | 0 | 0 | 7 | 9 | 0 | 1 | 0 | 6 | 86 |
| Syracuse | 0 | | 0 | 0 | 12 | 8 | 0 | 0 | 0 | 25 | 55 |
| New Jersey: | | | | | | | | | | | |
| Camden | 0 | | 1 | 18 | 4 | 9 | 0 | 1 | 0 | 0 | 44 |
| Newark | 0 | 9 | 0 | 3 | 9 | 12 | 0 | 4 | 1 | 15 | 109 |
| Trenton | 0 | | 0 | 2 | 5 | 5 | 0 | 0 | 0 | 1 | 29 |
| Pennsylvania: | | | | | | | | | | | |
| Philadelphia | 2 | 12 | 9 | 304 | 51 | 57 | 0 | 28 | 0 | 43 | 567 |
| Pittsburgh | 15 | 5 | 4 | 11 | 20 | 29 | 0 | 9 | 1 | 23 | 187 |
| Reading | 1 | | 1 | 2 | 3 | 4 | 0 | 1 | 0 | 4 | 28 |
| Scranton | 0 | | 0 | 1 | 0 | 6 | 0 | 0 | 0 | 4 | |
| Ohio: | | | | | | | | | | | |
| Cincinnati | 8 | 2 | 0 | 262 | 17 | 28 | 0 | 10 | 0 | 13 | 161 |
| Cleveland | 10 | 41 | 5 | 0 | 38 | 51 | 0 | 9 | 0 | 73 | 221 |
| Columbus | 0 | | 0 | 2 | 6 | 19 | 0 | 4 | 0 | 0 | 99 |
| Toledo | 0 | 1 | 1 | 67 | 10 | 26 | 0 | 1 | 0 | 7 | 89 |
| Indiana: | | | | | | | | | | | |
| Fort Wayne | 2 | | 0 | 1 | 1 | 7 | 0 | 1 | 0 | 0 | 21 |
| Indianapolis | 3 | | 0 | 5 | 18 | 12 | 0 | 3 | 0 | 19 | |
| South Bend | 0 | | 1 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 17 |
| Terre Haute | 0 | | 1 | 29 | 3 | 2 | 0 | 0 | 0 | 0 | 14 |
| Illinois: | | | | | | | | | | | |
| Chicago | 2 | 3 | 4 | 18 | 64 | 162 | 0 | 36 | 1 | 126 | 766 |
| Springfield | 0 | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 23 |
| Michigan: | | | | | | | | | | | |
| Detroit | 8 | 7 | 1 | 6 | 28 | 80 | 0 | 12 | 0 | 71 | 248 |
| Flint | 1 | | 0 | 0 | 5 | 26 | 0 | 1 | 1 | 0 | 31 |
| Grand Rapids | 1 | | 0 | 2 | 6 | 2 | 0 | 0 | 0 | 0 | 24 |
| Wisconsin: | | | | | | | | | | | |
| Kenosha | 0 | | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 5 | 8 |
| Milwaukee | 2 | 3 | 3 | 1 | 9 | 11 | 0 | 1 | 0 | 58 | 98 |
| Racine | 0 | | 0 | 0 | 0 | 10 | 0 | 1 | 0 | 6 | 16 |
| Superior | 0 | | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 18 |

City reports for week ended Jan. 6, 1934—Continued

| State and city | Diph- theria cases | Influenza | | Meas- les cases | Pneu- monia deaths | Scar- let fever cases | Small- pox cases | Tuber- culosis deaths | Ty- phoid fever cases | Whoop- ing cough cases | Deaths all causes |
|-----------------------|--------------------------|-----------|--------|-----------------------|--------------------------|--------------------------------|------------------------|-----------------------------|--------------------------------|---------------------------------|-------------------------|
| | | Cases | Deaths | | | | | | | | |
| Minnesota: | | | | | | | | | | | |
| Duluth..... | 0 | | 0 | 0 | 5 | 0 | 0 | 2 | 0 | 0 | 25 |
| Minneapolis..... | 3 | | 0 | 3 | 16 | 15 | 0 | 0 | 0 | 3 | 114 |
| St. Paul..... | 0 | 5 | 5 | 1 | 10 | 7 | 1 | 1 | 2 | 14 | 67 |
| Iowa: | | | | | | | | | | | |
| Des Moines..... | 1 | | | 0 | | 19 | 0 | | 0 | 0 | 38 |
| Sioux City..... | 4 | | | 0 | | 0 | 0 | | 0 | 0 | 2 |
| Waterloo..... | 0 | | | 24 | | 1 | 0 | | 0 | 1 | |
| Missouri: | | | | | | | | | | | |
| Kansas City..... | 5 | | 1 | 1 | 27 | 36 | 0 | 7 | 0 | 9 | 150 |
| St. Joseph..... | 0 | | 0 | 0 | 9 | 2 | 0 | 1 | 1 | 0 | 33 |
| St. Louis..... | 29 | 1 | 1 | 266 | 27 | 19 | 0 | 6 | 1 | 35 | 232 |
| North Dakota: | | | | | | | | | | | |
| Fargo..... | 0 | | 0 | 91 | 2 | 0 | 0 | 0 | 0 | 0 | 8 |
| Grand Forks..... | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| South Dakota: | | | | | | | | | | | |
| Sioux Falls..... | 0 | | 0 | 101 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| Nebraska: | | | | | | | | | | | |
| Omaha..... | 1 | | 0 | 29 | 12 | 7 | 2 | 0 | 0 | 11 | 54 |
| Kansas: | | | | | | | | | | | |
| Topeka..... | 0 | | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 3 |
| Wichita..... | 1 | | 0 | 0 | 2 | 6 | 0 | 4 | 0 | 4 | 41 |
| Delaware: | | | | | | | | | | | |
| Wilmington..... | 2 | | 0 | 3 | 6 | 3 | 0 | 0 | 0 | 2 | 38 |
| Maryland: | | | | | | | | | | | |
| Baltimore..... | 1 | 18 | 3 | 2 | 32 | 31 | 0 | 16 | 0 | 55 | 266 |
| Cumberland..... | 2 | | 0 | 0 | 2 | 4 | 0 | 0 | 0 | 1 | 6 |
| Frederick..... | 0 | | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 8 |
| District of Columbia: | | | | | | | | | | | |
| Washington..... | 8 | 1 | 0 | 60 | 18 | 13 | 0 | 10 | 0 | 7 | 182 |
| Virginia: | | | | | | | | | | | |
| Lynchburg..... | 7 | | 0 | 0 | 0 | 4 | 0 | 0 | 1 | 0 | 11 |
| Richmond..... | 0 | | 1 | 1 | 3 | 6 | 0 | 1 | 0 | 0 | 57 |
| Roanoke..... | 2 | | 0 | 0 | 2 | 5 | 0 | 0 | 0 | 1 | 15 |
| West Virginia: | | | | | | | | | | | |
| Charleston..... | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 13 |
| Huntington..... | 0 | | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | |
| Wheeling..... | 0 | | | 1 | | 6 | 0 | | 0 | 7 | |
| North Carolina: | | | | | | | | | | | |
| Raleigh..... | 0 | | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 5 | 17 |
| Wilmington..... | 0 | | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 7 |
| Winston-Salem..... | 4 | 2 | 0 | 318 | 1 | 4 | 0 | 0 | 0 | 1 | 12 |
| South Carolina: | | | | | | | | | | | |
| Charleston..... | 0 | 9 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 24 |
| Columbia..... | 0 | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| Greenville..... | 0 | | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 34 |
| Georgia: | | | | | | | | | | | |
| Atlanta..... | 4 | 33 | 2 | 30 | 14 | 6 | 0 | 5 | 0 | 2 | 92 |
| Brunswick..... | 0 | | 0 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| Savannah..... | 0 | 15 | 0 | 10 | 4 | 1 | 0 | 1 | 0 | 0 | 32 |
| Florida: | | | | | | | | | | | |
| Miami..... | 0 | | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 24 |
| Tampa..... | 4 | | 0 | 0 | 3 | 1 | 0 | 3 | 0 | 0 | 30 |
| Kentucky: | | | | | | | | | | | |
| Ashland..... | 1 | 4 | | 0 | | 2 | | | 0 | 0 | |
| Lexington..... | 0 | | 0 | 0 | 1 | 0 | | 2 | 0 | 0 | 21 |
| Louisville..... | 5 | | 0 | 0 | 14 | 24 | 0 | 1 | 0 | 7 | 78 |
| Tennessee: | | | | | | | | | | | |
| Memphis..... | 7 | | 0 | 18 | 12 | 7 | 0 | 3 | 0 | 0 | 88 |
| Nashville..... | 0 | | 1 | 45 | 4 | 3 | 0 | 3 | 1 | 4 | 45 |
| Alabama: | | | | | | | | | | | |
| Birmingham..... | 4 | 2 | 1 | 1 | 6 | 6 | 0 | 5 | 0 | 0 | 67 |
| Mobile..... | 0 | | 0 | 1 | 8 | 0 | 0 | 2 | 0 | 0 | 22 |
| Montgomery..... | 3 | 2 | | 7 | | 0 | 0 | | 0 | 5 | |
| Arkansas: | | | | | | | | | | | |
| Fort Smith..... | 0 | | | 9 | | 0 | 0 | | 0 | 0 | |
| Little Rock..... | 1 | | 0 | 33 | 5 | 0 | 0 | 1 | 0 | 0 | 7 |
| Louisiana: | | | | | | | | | | | |
| New Orleans..... | 12 | 5 | 4 | 5 | 13 | 3 | 0 | 14 | 0 | 1 | 159 |
| Shreveport..... | 2 | | 0 | 0 | 0 | 2 | 0 | 5 | 0 | 0 | 27 |
| Oklahoma: | | | | | | | | | | | |
| Tulsa..... | 2 | | | 3 | | 0 | 0 | | 0 | 2 | |
| Texas: | | | | | | | | | | | |
| Dallas..... | 6 | 3 | 3 | 0 | 13 | 8 | 0 | 5 | 0 | 0 | 78 |
| Fort Worth..... | 10 | | 1 | 0 | 3 | 7 | 0 | 1 | 0 | 1 | 44 |
| Galveston..... | 1 | | 0 | 0 | 1 | 3 | 0 | 1 | 0 | 0 | 19 |
| Houston..... | 10 | | 0 | 1 | 11 | 5 | 0 | 6 | 1 | 0 | 87 |
| San Antonio..... | 9 | | 6 | 0 | 12 | 6 | 0 | 11 | 0 | 0 | 86 |

City reports for week ended Jan. 6, 1934—Continued

| State and city | Diphtheria cases | Influenza | | Measles cases | Pneumonia deaths | Scarlet fever cases | Smallpox cases | Tuberculosis deaths | Typhoid fever cases | Whooping cough cases | Deaths all causes |
|---------------------|------------------|-----------|--------|---------------|------------------|---------------------|----------------|---------------------|---------------------|----------------------|-------------------|
| | | Cases | Deaths | | | | | | | | |
| Montana: | | | | | | | | | | | |
| Billings..... | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Great Falls..... | 0 | | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 3 |
| Helena..... | 0 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| Missoula..... | 0 | | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 6 |
| Idaho: | | | | | | | | | | | |
| Boise..... | 0 | | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 4 | 5 |
| Colorado: | | | | | | | | | | | |
| Denver..... | 3 | 29 | 0 | 1 | 4 | 14 | 0 | 3 | 0 | 47 | 88 |
| Pueblo..... | 0 | | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 2 | 11 |
| New Mexico: | | | | | | | | | | | |
| Albuquerque..... | 0 | | 0 | 0 | 2 | 4 | 0 | 2 | 0 | 9 | 15 |
| Utah: | | | | | | | | | | | |
| Salt Lake City..... | 0 | | 2 | 553 | 2 | 7 | 0 | 2 | 0 | 20 | 30 |
| Nevada: | | | | | | | | | | | |
| Reno..... | 0 | | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 3 |
| Washington: | | | | | | | | | | | |
| Seattle..... | | | | | | | | | | | |
| Spokane..... | 0 | 1 | 1 | 297 | 1 | 0 | 0 | 0 | 0 | 7 | 29 |
| Tacoma..... | 1 | | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 10 | 29 |
| Oregon: | | | | | | | | | | | |
| Portland..... | 1 | | 0 | 0 | 6 | 9 | 0 | 0 | 1 | 5 | 67 |
| Salem..... | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | |
| California: | | | | | | | | | | | |
| Los Angeles..... | 13 | 15 | 0 | 3 | 18 | 48 | 0 | 16 | 1 | 38 | 329 |
| Sacramento..... | 0 | 2 | 1 | 4 | 10 | 3 | 0 | 4 | 0 | 0 | 41 |
| San Francisco..... | 0 | 3 | 3 | 6 | 15 | 9 | 0 | 15 | 0 | 10 | 186 |

| State and city | Meningococcus meningitis | | Polio-myelitis cases | State and city | Meningococcus meningitis | | Polio-myelitis cases |
|-------------------|--------------------------|--------|----------------------|---------------------|--------------------------|--------|----------------------|
| | Cases | Deaths | | | Cases | Deaths | |
| Massachusetts: | | | | Illinois: | | | |
| Boston..... | 1 | 1 | 0 | Chicago..... | 5 | 1 | 0 |
| New York: | | | | Missouri: | | | |
| New York..... | 2 | 1 | 0 | Kansas City..... | 1 | 0 | 0 |
| New Jersey: | | | | North Carolina: | | | |
| Newark..... | 1 | 0 | 0 | Winston-Salem..... | 1 | 0 | 0 |
| Pennsylvania: | | | | Arkansas: | | | |
| Philadelphia..... | 1 | 1 | 0 | Little Rock..... | 1 | 0 | 0 |
| Indiana: | | | | Utah: | | | |
| Indianapolis..... | 0 | 1 | 0 | Salt Lake City..... | 1 | 0 | 0 |

Nonresident.

Typhus fever.—Cases: Pawtucket, R.I., 1; Wilmington, N.C., 1; Atlanta, 1; Savannah, 2; Miami, 1; Mobile, 1. Deaths: Baltimore, 1.

Lethargic encephalitis.—Cases: Detroit, 1; St. Louis, 3; Washington, 1; Atlanta, 1.

Pellagra.—Cases: Winston-Salem, 1; Memphis, 1; Los Angeles, 1.

Rabies in man.—Memphis, 1 death.

FOREIGN AND INSULAR

BELGIUM

Vital statistics—1930, 1931, and 1932.—The following statistics have been published by the Central Office of Statistics, for Belgium:

| | 1930 | 1931 | 1932 |
|--|-------|-------|-------|
| Number of births per 1,000 inhabitants..... | 18.65 | 18.15 | 17.57 |
| Number of deaths per 1,000 inhabitants..... | 12.83 | 12.77 | 12.73 |
| Number of marriages per 1,000 inhabitants..... | 8.89 | 8.14 | 7.00 |

NOTE.—The population of Belgium was estimated as 8,092,004 in 1930, 8,159,135 in 1931, and 8,213,449 in 1932.

CUBA

Provinces—Communicable diseases—4 weeks ended September 30, 1933.—During the 4 weeks ended September 30, 1933, cases of certain communicable diseases were reported in the Provinces of Cuba, as follows:

| Disease | Pinar del Rio | Habana | Matanzas | Santa Clara | Camaguey | Oriente | Total |
|--------------------|---------------|--------|----------|-------------|----------|---------|-------|
| Diphtheria..... | 1 | 2 | | | 7 | | 10 |
| Malaria..... | 14 | 2 | 42 | 247 | 4 | 25 | 334 |
| Measles..... | 1 | | | 2 | | | 3 |
| Tuberculosis..... | 9 | 90 | 28 | 70 | 32 | 21 | 250 |
| Typhoid fever..... | 1 | 6 | 7 | 52 | 9 | 15 | 90 |

IRISH FREE STATE

Vital statistics—Third quarter 1933.—The following statistics for the Irish Free State for the third quarter ended September 30, 1933, are taken from the quarterly return of marriages, births, and deaths, issued by the registrar general:

| | Number | Rates per 1,000 population |
|---|-----------|----------------------------|
| Population..... | 2,992,000 | |
| Marriages..... | 3,553 | 4.80 |
| Births..... | 14,923 | 20.00 |
| Total deaths..... | 8,267 | 11.10 |
| Deaths under 1 year..... | 826 | (¹) |
| Deaths from: | | |
| Cancer..... | 774 | 1.03 |
| Diarrhea and enteritis (under 2 years)..... | 210 | |
| Diphtheria..... | 91 | |
| Influenza..... | 92 | .12 |
| Measles..... | 4 | |
| Puerperal sepsis..... | 18 | ¹ 1.21 |
| Scarlet fever..... | 13 | |
| Tuberculosis (all forms)..... | 783 | 1.05 |
| Typhoid fever..... | 21 | |
| Typhus fever..... | 1 | |
| Whooping cough..... | 67 | |

¹ Deaths under 1 year per 1,000 births, 55.

² Per 1,000 births.

JAMAICA

Communicable diseases—4 weeks ended December 30, 1933.—During the 4 weeks ended December 30, 1933, cases of certain communicable diseases were reported in Kingston, Jamaica, and in the island outside of Kingston, as follows:

| Disease | Kingston | Other localities | Disease | Kingston | Other localities |
|------------------|----------|------------------|----------------------|----------|------------------|
| Chicken pox..... | 2 | 28 | Poliomyelitis..... | 1 | 1 |
| Diphtheria..... | | 4 | Puerperal fever..... | | 6 |
| Dysentery..... | 9 | 9 | Scarlet fever..... | 1 | |
| Erysipelas..... | | 1 | Tuberculosis..... | 21 | 45 |
| Leprosy..... | | 2 | Typhoid fever..... | 23 | 65 |

PUERTO RICO

Notifiable disease—4 weeks ended December 30, 1933.—During the 4 weeks ended December 30, 1933, cases of certain notifiable diseases were reported in the municipalities of Puerto Rico, as follows:

| Disease | Cases | Disease | Cases |
|----------------------------|----------------------|----------------------|-------|
| Chicken pox..... | 25 | Pellagra..... | 1 |
| Diphtheria..... | 47 | Puerperal fever..... | 2 |
| Dysentery..... | 136 | Ringworm..... | 4 |
| Filariasis..... | 5 | Syphilis..... | 16 |
| Framboesia..... | 1 | Tetanus..... | 4 |
| Influenza..... | 220 | Trachoma..... | 23 |
| Malaria..... | 28, 536 ¹ | Tuberculosis..... | 469 |
| Measles..... | 173 | Typhoid fever..... | 30 |
| Mumps..... | 38 | Whooping cough..... | 339 |
| Ophthalmia neonatorum..... | 3 | | |

¹ Includes results from a special survey.

| Place | May 1933 | | | | June 1933 | | | | July 1933 | | | | August 1933 | | | | September 1933 | | | | October 1933 | | | |
|---|----------|---|-------|---|-----------|---|------|---|-----------|---|-------|---|-------------|---|-------|---|----------------|---|------|---|--------------|---|-------|---|
| | 1-10 | | 11-20 | | 21-31 | | 1-10 | | 11-20 | | 21-31 | | 1-10 | | 11-20 | | 21-31 | | 1-10 | | 11-20 | | 21-31 | |
| | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D | C | D |
| Philippine Islands: ¹ | | | | | | | | | | | | | | | | | | | | | | | | |
| Antique Province..... | | | | | | | | | | | | | | | | | | | | | | | | |
| Cebu Province..... | | | | | | | | | | | | | | | | | | | | | | | | |
| Iloilo Province..... | | | | | | | | | | | | | | | | | | | | | | | | |
| Leyte Province..... | | | | | | | | | | | | | | | | | | | | | | | | |
| Occidental Negros Province..... | | | | | | | | | | | | | | | | | | | | | | | | |
| Oriental Negros Province..... | | | | | | | | | | | | | | | | | | | | | | | | |
| Samar Province..... | | | | | | | | | | | | | | | | | | | | | | | | |
| Siam: | | | | | | | | | | | | | | | | | | | | | | | | |
| Bangkok..... | | | | | | | | | | | | | | | | | | | | | | | | |
| Provinces..... | | | | | | | | | | | | | | | | | | | | | | | | |
| Indo-China (French) (see also table above): | | | | | | | | | | | | | | | | | | | | | | | | |
| Cambodia ² | | | | | | | | | | | | | | | | | | | | | | | | |
| Cochin-China ³ | | | | | | | | | | | | | | | | | | | | | | | | |

¹ During the week ended Jan. 13, 1934, cholera was reported in the Philippine Islands as follows: Bohol Province—Antequera, 3 cases, 2 deaths; Calape, 11 cases, 9 deaths; Clarin, 1 case, 1 death; Cortes, 11 cases, 5 deaths; Loon, 23 cases, 8 deaths; Mariboc, 3 cases, 1 death; Tubigon, 11 cases, 11 deaths. Cebu Province—Argao, 6 cases, 3 deaths; Balamun, 1 case, 1 death; Carcar, 2 cases, 4 deaths; Naga, 2 cases, 1 death; San Fernando, 1 case, 1 death; Sibonga, 1 case, 2 deaths. Iloilo Province—Ajoy, 1 case, 1 death. Oriental Negros Province—Bais, 11 cases, 2 deaths; Panaditan, 3 cases; Poblacion, 1 case; Taulay, 7, 6 cases, 7 deaths.

² For 2 weeks.

³ Reports incomplete.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

PLAGUE--Continued

(C indicates cases; D, deaths; P, present)

| Place | June 1933 | July 1933 | August 1933 | September 1933 | October 1933 | November 1933 |
|--|-----------|-----------|-------------|----------------|--------------|---------------|
| Argentina (see also table above) | | 7 | ..... | ..... | 6 | 4 |
| Bolivia | | 3 | ..... | ..... | 2 | 1 |
| British East Africa (see also table above) | | 25 | 1 | ..... | ..... | 5 |
| Kenya | | 3 | 13 | 26 | 20 | ..... |
| Uganda | | 47 | 91 | 97 | 71 | ..... |
| Exondor | | | | | | |
| Indo-China (see also table above) | | | | | | |
| Cambodia | | 3 | 6 | 16 | 8 | ..... |
| Cochin-China | | 2 | 5 | 1 | 1 | ..... |
| Madagascar | | | | | | |
| Peru | | | | | | |
| Caliso | | | | | | |
| Senegal | | | | | | |
| Dakar | | | | | | |
| Medina | | | | | | |
| Tirauane | | | | | | |

Incomplete reports.

SMALLPOX

[C indicates cases; D, deaths; P, present]

| Place | Week ended— | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|----------------------|---------------|---------------|---------------|-----------------------|--------------|---------------|---------------|---------------|--------------|---------------|---------------|---------------|--------------|--------------|---------------|---------------|---------------|--|--------------|
| | May 28—June 25, 1933 | | | | July 30—Aug. 27, 1933 | | | | October 1933 | | | | November 1933 | | | | December 1933 | | | Jan. 6, 1934 |
| | May 28, 1933 | June 24, 1933 | June 29, 1933 | July 20, 1933 | Aug. 27, 1933 | Oct. 7, 1933 | Oct. 14, 1933 | Oct. 21, 1933 | Oct. 28, 1933 | Nov. 4, 1933 | Nov. 11, 1933 | Nov. 18, 1933 | Nov. 25, 1933 | Dec. 2, 1933 | Dec. 9, 1933 | Dec. 16, 1933 | Dec. 23, 1933 | Dec. 30, 1933 | | |
| Algeria: | | | | | | | | | | | | | | | | | | | | |
| Algiers Department..... | | | 2 | | | | | | | | | | | | | | | | | |
| Constantine Department..... | | | 1 | | | | | | | | | | | | | | | | | |
| Oran Department..... | | | 3 | | | | | | | | | | | | | | | | | |
| Arabia. Muscat—Oman Sultanate..... | | | 20 | | | | | | | | | | | | | | | | | |
| Belgian Congo..... | | | 5 | | 4 | | | | | | | | | | | | | | | |
| Bolivia..... | | | 1 | | | | | | | | | | | | | | | | | |
| Bolivia. (See table below.)..... | | | | | | | | | | | | | | | | | | | | |
| Brazil: Porto Alegre (alastrim)..... | 6 | | 1 | 1 | 12 | | | 1 | 4 | | | | | | | | | | | |
| British East Africa: Tanganyika..... | 10 | | 6 | 21 | 30 | | | 12 | 24 | 4 | 26 | 33 | 132 | | | | | | | |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

SMALLPOX—Continued

[C indicates cases; D, deaths; P, present]

| Place | Week ended— | | | | | | | | | | | |
|------------------------------------|----------------------|--------|----|-----------------------|--------|---|-----------------------|--------|--------|-----------|--------|--------|
| | May 28—June 24, 1933 | | | June 25—July 30, 1933 | | | July 31—Aug. 26, 1933 | | | Oct. 1933 | | |
| | 23, 631 | 7, 008 | 11 | 14, 599 | 4, 226 | 9 | 7, 052 | 1, 025 | 1, 107 | 1, 195 | 1, 261 | 1, 317 |
| India..... | C | D | | C | D | | C | D | C | D | C | D |
| Basseln..... | D | | | D | | | D | | D | | D | |
| Bombay Presidency..... | D | | | D | | | D | | D | | D | |
| Bombay..... | D | | | D | | | D | | D | | D | |
| Calcutta..... | D | | | D | | | D | | D | | D | |
| Cochin..... | D | | | D | | | D | | D | | D | |
| Karschi..... | D | | | D | | | D | | D | | D | |
| Madras Presidency..... | D | | | D | | | D | | D | | D | |
| Madras..... | D | | | D | | | D | | D | | D | |
| Moulmein..... | D | | | D | | | D | | D | | D | |
| Negapatam..... | D | | | D | | | D | | D | | D | |
| Rangoon..... | D | | | D | | | D | | D | | D | |
| Tuticorin..... | D | | | D | | | D | | D | | D | |
| Vizagapatam..... | D | | | D | | | D | | D | | D | |
| India (French): | D | | | D | | | D | | D | | D | |
| Chandernagor..... | D | | | D | | | D | | D | | D | |
| Karikal..... | D | | | D | | | D | | D | | D | |
| Pondichery..... | D | | | D | | | D | | D | | D | |
| Indo-China (see also table below): | D | | | D | | | D | | D | | D | |
| Cholon..... | D | | | D | | | D | | D | | D | |
| Iraq..... | D | | | D | | | D | | D | | D | |
| Baghdad..... | D | | | D | | | D | | D | | D | |
| Basra..... | D | | | D | | | D | | D | | D | |
| Japan: | D | | | D | | | D | | D | | D | |
| Kobe..... | D | | | D | | | D | | D | | D | |
| Tokyo..... | D | | | D | | | D | | D | | D | |

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

SMALL POX—Continued

[C indicates cases; D, deaths; P, present]

| Place | June 1933 | July 1933 | August 1933 | September 1933 | October 1933 | November 1933 |
|---------------------------------|-----------|-----------|-------------|----------------|--------------|---------------|
| Bolivia | 12 | 10 | 12 | 15 | 34 | 39 |
| Brazil | 10 | 3 | 2 | 2 | 2 | 2 |
| Canada | 23 | 12 | 2 | 1 | 1 | 1 |
| Costa Rica | 23 | 12 | 2 | 1 | 1 | 1 |
| Cuba | 23 | 12 | 2 | 1 | 1 | 1 |
| Ecuador | 23 | 12 | 2 | 1 | 1 | 1 |
| France | 23 | 12 | 2 | 1 | 1 | 1 |
| Greece | 23 | 12 | 2 | 1 | 1 | 1 |
| Haiti | 23 | 12 | 2 | 1 | 1 | 1 |
| Mexico (see also table above) | 23 | 12 | 2 | 1 | 1 | 1 |
| Morocco | 10 | 8 | 1 | 2 | 3 | 16 |
| Nyasaland | 248 | 347 | 56 | 90 | 23 | 23 |
| Peru | 59 | 84 | 59 | 105 | 27 | 27 |
| Portugal (see also table above) | 59 | 84 | 59 | 105 | 27 | 27 |
| Turkey | 13 | 8 | 8 | 56 | 56 | 56 |

TYPHUS FEVER

(C indicates cases; D, deaths; P, present)

[illegible]

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued

TYPHUS FEVER—Continued

[C indicates cases; D, deaths; P, present]

| Place | June 1933 | July 1933 | August 1933 | September 1933 | October 1933 | November 1933 |
|------------------------------------|--------------|--------------|----------------|-------------------|-----------------|------------------|
| Rasutoland..... | 208 | 279 | 259 | | | |
| Bolivia..... | 71 | 36 | 34 | 99 | 129 | 39 |
| Chosen..... | | 59 | | 3 | | |
| Czechoslovakia..... | 6 | 1 | | | 1 | |
| Greece..... | 0 | 6 | 4 | 3 | 5 | |
| Guatemala..... | 3 | 1 | 4 | 5 | 6 | |
| Latvia..... | | 1 | | | | |
| Mexico (see also table above)..... | 12 | 19 | 42 | | | |
| Peru..... | 23 | 20 | 60 | 84 | 55 | |
| Rumania..... | | | | | | |
| Turkey..... | 13 | 57 | 22 | 13 | 9 | 26 |
| Union of South Africa: | | | | | | 6 |
| Cape Province..... | 124 | 195 | 135 | 141 | | |
| Natal..... | 122 | 23 | 18 | 43 | | |
| Orange Free State..... | 34 | 61 | 140 | 180 | | |
| Transvaal..... | 7 | 5 | 3 | 103 | | |
| Yugoslavia..... | 136 | 89 | 33 | 5 | | 13 |

YELLOW FEVER

[C indicates cases; D, deaths; P, present.]

[illegible]

